### PATENT COOPERATION TREAT.



From the	INTERNATIONAL	SEARCHING	ALITHORITY

To:

# **PCT**

NOTIFICATION OF TRANSMITTAL OF

WOLF GREENFIELD & SACKS, P.C. Attn. Oyer, Timothy J. 600 Atlantic Avenue Boston, Massachusetts 02210 UNITED STATES OF AMERICA	THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of mailing (day/month/year) 29/08/2005			
Applicant's or agent's file reference	FOR FURTHER ACTION			
H0498.70217 WOX	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No.	International filing date (day/month/year)			
PCT/US2005/004459	14/02/2005 Intuits			
Applicant  PRESIDENT AND FELLOWS OF HARVARD COLLEGE	Confirmation Docketing			
Authority have been established and are transmitted herewi	report and the written opinion of the International Searching th.			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is nore International Search Report; however, for more				
Where? Directly to the International Bureau of WIPO, 34 1211 Geneva 20, Switzerland, Fa	chemin des Colombettes  DOCKETED			
For more detailed instructions, see the notes on the acco				
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.				
4. Reminders  Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.				
In respect of other designated Offices, the time limit of <b>30 months</b> months.	s (or later) will apply even if no demand is filed within 19			
See the Annex to Form PCT/IB/301 and, for details about the app Guide, Volume II, National Chapters and the WIPO Internet site.	olicable time limits, Office by Office, see the PCT Applicant's			

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Katrin Sommermeyer

#### **NOTES TO FORM PCT/ISA/220**

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

#### **INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19**

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

### NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
   "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
   "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
  - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

### it must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

### PATENT COOPERATION TREAT.

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220
H0498.70217	ACTION	as well	as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)		(Earliest) Priority Date (day/month/year)
PCT/US2005/004459	14/02/20	05	13/02/2004
Applicant			
PRESIDENT AND FELLOWS OF F	HARVARD COLLEGE		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International s ansmitted to the International Bu	Searching Auth reau.	nority and is transmitted to the applicant
This International Search Report consists	of a total of5	sheets.	
X It is also accompanied by	a copy of each prior art docume	nt cited in this	report.
Basis of the report     a. With regard to the language, the language in which it was filed, unline to the language.			sis of the international application in the
The international this Authority (Rul		asis of a transla	ation of the international application furnished to
b. With regard to any nucleo	otide and/or amino acid seque	nce disclosed	in the international application, see Box No. I.
2. X Certain claims were four	nd unsearchable (See Box II).		
3. Unity of invention is lac	king (see Box III).		
4. With regard to the <b>title</b> ,			
X the text is approved as su	bmitted by the applicant.		
the text has been establis	hed by this Authority to read as	follows:	
-			
5. With regard to the abstract,			
X the text is approved as su	bmitted by the applicant.		
			y as it appears in Box No. IV. The applicant the report, submit comments to this Authority.
6. With regard to the drawings,			
a. the figure of the <b>drawings</b> to be p	ublished with the abstract is Fig	ure No. <u>3a</u>	
X as suggested by t	he applicant.		
. as selected by this	s Authority, because the applica	nt failed to sug	gest a figure.
as selected by this Authority, because this figure better characterizes the invention.			rizes the invention.
b none of the figures is to be	e published with the abstract.		

### INT NATIONAL SEARCH REPORT

ernational Application No PCT/US2005/004459

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L23/49					
According to International Patent Classification (IPC) or to both national classification and IPC					
	SEARCHED	ation and it o			
	ocumentation searched (classification system followed by classification H01L	on symbols)			
Documental	tion searched other than minimum documentation to the extent that s	such documents are included in the fields se	earched		
Electronic d	ata base consulted during the international search (name of data base	se and, where practical, search terms used	)		
EPO-In	ternal, INSPEC				
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.		
Х	WO 2004/003535 A (NANOSYS INC; PONTIS, 1-26 GEORGE; STONAS, WALTER; CHOW, CALVIN; PARCE, WALL) 8 January 2004 (2004-01-08) the whole document				
А	US 2003/186522 A1 (DUAN XIANGFENG ET AL) 2 October 2003 (2003-10-02) paragraph '0082!				
Further documents are listed in the continuation of box C.    X   Patent family members are listed in annex.					
Special categories of cited documents:					
*A* document defining the general state of the art which is not considered to be of particular relevance  *S* eadler decument but published on or affect the international.					
filing date  *L' document within may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone					
citation or other special reason (as specified)  *O* document referring to an oral disclosure, use, exhibition or other means  *O* document referring to an oral disclosure, use, exhibition or other means  *O* document is combined with one or more other such document is combined wit					
"P" document published prior to the international filing date but in the art. later than the priority date claimed "&" document member of the same patent family					
Date of the actual completion of the international search  Date of mailing of the international search report					
18 August 2005 29/08/2005					
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Authorized officer					
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Boetticher, H				

1

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 27-125

Contrary to Article 6 PCT, the claims as a whole are not concise because of 6 independent device claims and 5 independent method claims. Further, due to the various features claimed in the various independent claims it is obscure which features are essential to the invention. For example, the first independent method claim, claim 1, contains the feature that the semiconductor wire comprises at least one portion having a smallest dimension of less than about 500 nm, a feature not contained in the first independent device claim, claim 27, which claim however contains the feature that the wire is a single crystal, a feature not contained in claim 1. Further, the term "wire" used both in claim 1 and in claim 27 is so broad that it renders D1: WO 2004/003535 A1 - concerning a nanowire formed by etching - novelty destroying to claim 1. Thus, for example, claims 1 and 27 are no longer linked by a single general inventive concept in the sense of Rule 13.1 PCT, and further search fees could be asked for. But asking for further search fees for claims which simply lack unity because they do not show all features essential to the invention seems not appropriate. However, as pointed out above, it is obscure which features are essential to the invention. Since a meaningful search involving a meaningful objection as to lack of unity was not possible, the search is incomplete.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

International application No. PCT/US2005/004459

### **INTERNATIONAL SEARCH REPORT**

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: 27-125 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

### INT NATIONAL SEARCH REPORT

Information on patent family members

ernational Application No
PCT/US2005/004459

Patent document Publication cited in search report date		Patent family member(s)		Publication date	
WO 2004003535	A	08-01-2004	AU WO US	2003258969 A1 2004003535 A1 2004136866 A1	19-01-2004 08-01-2004 15-07-2004
US 2003186522	A1	02-10-2003	AU AU EP EP WO WO US	2003222134 A1 2003260527 A1 1522106 A2 1508161 A2 03085700 A2 03085701 A2 2004005723 A1	20-10-2003 20-10-2003 13-04-2005 23-02-2005 16-10-2003 16-10-2003 08-01-2004

## PATENT COOPERATION TI ATY

From the INTERNATIONAL SEARCHING AUTHORITY

То:					PCT
see form PCT/ISA/220				INTERNATION (F	TEN OPINION OF THE NAL SEARCHING AUTHORITY PCT Rule 43 <i>bis</i> .1)
	icant's or agent's file	reference			e form PCT/ISA/210 (second sheet)
1	form PCT/ISA/2			FOR FURTHER ACTION See paragraph 2 below	
ł	national application   T/US2005/00445		International filing date (date)	day/month/year)	Priority date (day/month/year) 13.02.2004
l	national Patent Clas	sification (IPC) or	both national classification	and IPC	L
Арр	icant				
PR	ESIDENT AND F	ELLOWS OF	HARVARD COLLEGE	<u> </u>	
1.	This opinion co	ontains indicati	ons relating to the foll	owing items:	
	☑ Box No. I	Basis of the op	pinion		
	☐ Box No. II	Priority			
	☑ Box No. III Non-establishment of opinion with regal			ard to novelty, inventiv	e step and industrial applicability
	☐ Box No. IV Lack of unity of invention				
	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
☐ Box No. VI Certain documents cited			ents cited		
☐ Box No. VII Certain defects in the international app			s in the international app	olication	;
☐ Box No. VIII Certain observations on the internation			ations on the internation	nal application	
2.	FURTHER ACT	ION			
If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
	For further options, see Form PCT/ISA/220.				
3.	For further details, see notes to Form PCT/ISA/220.				
					·
N.	e and mailing addre			Authorized Officer	

European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465

Boetticher, H

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# 10/588833

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/004459

# AP20 Rec'd PCT/PTO 09 AUG ZUUS

	Box	N	o. I Basis of the opinion
1.			gard to the <b>language</b> , this opinion has been established on the basis of the international application in guage in which it was filed, unless otherwise indicated under this item.
		lan	is opinion has been established on the basis of a translation from the original language into the following guage , which is the language of a translation furnished for the purposes of international search or representation of the purposes of international search or representation of the purpose of international search or representation of the purpose of international search or representation of the purpose of the purpose of international search or representation of the purpose of
2.	With	n re ess	gard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:
	a. ty	ре	of material:
			a sequence listing
	כ		table(s) related to the sequence listing
	b. fo	orm	at of material:
	[	]	in written format
	E	]	in computer readable form
	c. ti	me	of filing/furnishing:
			contained in the international application as filed.
	כ	]	filed together with the international application in computer readable form.
	E		furnished subsequently to this Authority for the purposes of search.
3.		ha	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto is been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.
4.	Add	itio	nal comments:

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/004459

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:				
	the entire international application,				
$\boxtimes$	claims Nos. 27-125				
bed	cause:				
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):				
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):				
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.				
$\boxtimes$	no international search report has been established for the whole application or for said claims Nos. 27-125				
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:				
	the written form		has not been furnished		
			does not comply with the standard		
	the computer readable form		has not been furnished		
			does not comply with the standard		
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.				
	☐ See separate sheet for further details				

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/004459

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

20,21

No: Claims

1-19,22-26

Inventive step (IS)

Yes: Claims

No: Claims

20,21

Industrial applicability (IA)

Yes: Claims

1-26

No: Claims

2. Citations and explanations

see separate sheet

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

10/588833 International application No.

PCT/US2005/004459

### Re Item V.

# VAP20 Rec'd PCT/PTO 09 AUG 2006

1 Reference is made to the following document:

D1: WO-A-2004/003535

- 1.1 Document D1 shows in Fig. 16 and in the corresponding text in paragraphs 82, 83 the provision of a bulk metal 1610, 1616 adjacent a semiconductor wire 1622. Said paragraph 83 and Fig. 16 in D1 show that at least a portion of the bulk metal diffuses into at least a portion of the semiconductor wire to form a silicide, cf. page 24 lines 31, 32. According to page 22, lines 19 to 22, such a wire may be 50 nm wide. In view of all this, the features of claim 1 are anticipated by D1.
- 1.2 Although said page 24 lines 31, 32 mentions that silicon wires, with silicon being relevant to claims 7 to 11, may be turned into titanium silicide TiSi, said page 24 shows in lines 2 and 3 in addition to TiSi silicides such as NiSi. Due to NiSi being nickel silicide, nickel covered by present claims 2 to 6 is also anticipated by D1.
- 1.3 As to the "smallest dimensions" claimed in claims 12 to 21, D1 shows in the sentence bridging pages 13 and 14 a width dimension down to 10 nm, with an assumed drop in yield for such small dimensions. Thus, the features of claims 12 to 19 are known and those of claims 20, 21 lack inventive step because they are close to the values shown in D1 and ignoring a drop in yield cannot render a feature inventive. As to claims 22 to 25, see in D1 page 11 lines 6 to 8. As to claim 26, an SOI substrate is mentioned in D1 at page 5 lines 21 to 23 and SOI implies a single-crystalline silicon layer as the basis of the semiconductor wire.
- 2. No search report has been drawn up on claims 27 to 125. But as to claims 27 to 43, the objections against claims 1 & 26, 2 to 5 and 22 also concern claims 27, 28 to 32 and 33, respectively. Further, the device in D1 is a ChemFET, cf. paragraph 4 of D1, thus anticipating the features of claims 34, 35, 38, 39 and rendering the features of claims 36, 37, 40 obvious. As to claim 41, silicide formation mentioned in D1 is always aimed at a silicide with a stoichiometric ratio of silicon and metal. The features of claims 42, 43 are obvious since a wire of low resistivity reduces both power consumption and minimum dimensions for high current densities.